

EMERSON AND CUMING INC; SUB OF W R GRACE & CO -- CT-5047-2, PART A -- 8040-00-947-5483

===== Product Identification =====

Product ID:CT-5047-2, PART A

MSDS Date:09/04/1992

FSC:8040

NIIN:00-947-5483

Kit Part:Y

MSDS Number: BVWZY

=== Responsible Party ===

Company Name:EMERSON AND CUMING INC; SUB OF W R GRACE & CO

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info Phone Num:617-9

35-4850/938-8630/828-3300

Emergency Phone Num:617-935-4850 617-938-8630

Preparer's Name:DAVID HAAS

CAGE:OB562

=== Contractor Identification ===

Company Name:EMERSON & CUMING

Address:55 HAYDEN AVE

Box:City:LEXINGTON

State:MA

ZIP:02173

Country:US

Phone:617-861-6600

CAGE:0B562

Company Name:EMERSON AND CUMING, INC,

Address:77 DRAGON CT.

City:WOBURN

State:MA

ZIP:01888-5000

Country:US

Phone:617-935-4850/617-938-8630

CAGE:OB562

===== Composition/Information on Ingredients =====

Ing

red Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 70-80%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:DGEBA EPOXY RESIN
Fraction by Wt: 15-25%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALPHATIC GLYCIDYL ETHER
Fraction by Wt: 3-7%
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion
:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- PRODUCT IS IRRITATING TO BODY
TISSUES. PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DERMATITIS OR
SENSITIZATION. INHALATION IS UNLIKELY UNLESS AT ELEVATED
TEMPERATURES. INGESTION:HARMFUL IF SWALLOWED. CHRONIC-PRODUCT
SHOWS SOME INCONCLUSIVE MUTAGENIC ACTIVITY IN ANIMAL CELL TESTS.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS OF THIS PRODUCT
ARE LISTED BY IARC, NTP OR OSHA
AS A CARCINOGEN.

Effects of Overexposure:EYE:BLURRED VISION,BURNING SENSATION,TEARING.
SKIN:RASH,ITCHING,HIVES,SWELLING. INHALED:UNLIKELY UNLESS MATERIAL
IS AT ELEVATED TEMPERATURES, THEN RESPIRATORY
IRRITATION,NAUSEA,HEADACHE. INGESTED:HARMFUL IF SWALLOWED.

Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PREEXISTING
SKIN AND/OR EYE DISORDERS.

===== First Aid Measures =====

First Aid:IF IRRITATION OR SYMPTOMS PERSIST OR ARE SEV

ERE, SEE A

DOCTOR. EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INHALED:RE MOVE TO FRESH AIR. AID/RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER TO DILUTE & GET IMMEDIATE MEDICAL CARE. NOTHING BY MOUTH IF UNCONSCIOUS.

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===== Fire Fighting Measures =====

Flash Point:>200F,>93C

Extinguishing Media:CO2, D

RY CHEMICAL, FOAM, WATER FOG.

Fire Fighting Procedures:FIREFIGHTERS/RESCUE PERSONNEL SHOULD WEAR SCBA & FULL PROTECTIVE EQUIPMENT. COOL EXPOSED CONTAINERS W/WATER. LARGE QUANTITY OF MATERIAL IN FIRE:EVACUATE AREA.

Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINERS MAY VIOLENTLY RUPTURE UNDER FIRE CONDITIONS.

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===== Accidental Release Measures =====

Spill Release Procedures:CONDUCT SPILL RESPONSE PER 29C FR1910.120.

REVIEW MSDS BEFORE PROCEEDING. VENTILATE SPIL AREA. WIPE UP OR ABSORB SPILLED MATERIAL W/VERMICULITE OR SIMILAR MATERIAL. WASH AREA WITH SOAPY WATER TO REMOVE RESIDUE. COLLECT SPILL & WATER RINSES IN CONTAINER

Neutralizing Agent:NO INFORMATION GIVEN BY MFR ON MSDS.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL DRY PLACE W/ADEQUATE VENTILATION. KEEP AWAY FROM ANY HEAT OR OPEN FLAME. KEEP CONTAINER

CLOSED WHEN NOT IN USE. CONSULT TECH BULLETIN.

Other Precautions:EMPLOYEES MUST BE PROPERLY TRAINED IN SAFE HANDLING OF THIS PRODUCT PRIOR TO USE.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE AN APPROPRIATE PROPERLY FITTED RESPIRATOR IF EXPOSURE LEVELS EXCEED PEL/TLV VALUES. TYPE OF PROTECTION SELECTED WILL DEPEND ON THE DONDITIONS OF USE. OBSERVE OSHA REGULATIONS (29CFR1910.134.

Ventilation:PROVIDE EFFECTIVE MECHANICAL E

XHAUST VENTIULATION TO DRAW

VAPORS, MISTS OR FUMES FORM THE WORKER & PREVENT INHALATION.

Protective Gloves:PROTECTIVE GLOVES

Eye Protection:SAFETY GLASSES, GOGGLES, OR FACE SHIELD

Other Protective Equipment:CHEMICAL RESISTANT APRON OR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT, EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:MFR: ? HMIS:USE STRICT CHEMICAL HYGIENE

PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

NONE

===== Physical/Chemical Properties =====

HCC:N1

NRC/State Lic Num:NONE

Vapor Pres:1

Spec Gravity:3.4-3.5

Solubility in Water:UNKNOWNBLE

Appearance and Odor:GRAY-SILVER PASTE MILD ODOR.

Percent Volatiles by Volume:NEGLIG

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS, BASES, AMINES, AMIDES,

Stability Condition to Avoid:(EYES)IRRIGATE IMMEDIATELY WITH WATER

C

ONSULT PHYSICIAN. (SKIN)WASH WITH FLOWING WATER,CONSULT PHYSICIAN. (INGESTION)IND

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE, ALDEHYDES, SILVER COMPOUNDS, PHENOLS, ACIDS & OTHER ORGANIC COMPOUNDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR. UNCONTROLLED MIXING W/AMINES, ANHYDRIDES, MERCAPTANS, IMIDAZOLES MAY CAUSE HAZARDOUS POLYMERIZATION.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF I

/A/W CURRENT FEDERAL, STATE & LOCAL
REGULATIONS.

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